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Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

Fifty-third session

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Item 6 (b) of the provisional agenda
Miscellaneous proposals for amendments to the Model Regulations on the Transport of Dangerous Goods: packagings

Aluminium drums

Transmitted by the expert from Italy*

Introduction

1. Among the requirements for **Steel or aluminium jerricans** (3A1 steel, non-removable head 3A2 steel, removable head, 3B1 aluminium, non-removable head 3B2 aluminium, removable head) laid down in section 6.1.4.4, is clearly highlighted the compatibility of the material (steel or aluminium) with the content to be carried and if it is the case, the need for protective coating:

> *"6.1.4.4.4 If materials used for body, heads, closures and fittings are not in themselves compatible with the contents to be transported, suitable internal protective coatings or treatments shall be applied. These coatings or treatments shall retain their protective properties under normal conditions of transport."*

2. The text is available also for **Steel drums** under the section 6.1.4.1 (see 6.1.4.1.7).

3. On the other hand the requirements for **Aluminium drums** as referred to in 6.1.4.2 seem to be lacking on this matter, despite the fact that aluminium is sensitive to the problem of corrosion (e.g. sodium hydroxide solution, or alkaline liquids etc.).

* In accordance with the programme of work of the Sub-Committee for 2017–2018 approved by the Committee at its eighth session (see ST/SG/AC.10/C.3/100, paragraph 98 and ST/SG/AC.10/44, para. 14).

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Conclusion

4. The Sub-Committee is invited to consider the following proposal in order to remove a deficiency of the text and to achieve better harmonization between the requirements laid down in the Model Regulations.

Proposal

5. The following text is proposed to be inserted in the section 6.1.4.2:

[6.1.4.2.6] If materials used for body, heads, closures and fittings are not in themselves compatible with the contents to be transported, suitable internal protective coatings or treatments shall be applied. These coatings or treatments shall retain their protective properties under normal conditions of transport.